

EMPIRE

Users Manual



Empire Guitar Amplifier

Congratulations on your purchase of the new Empire!

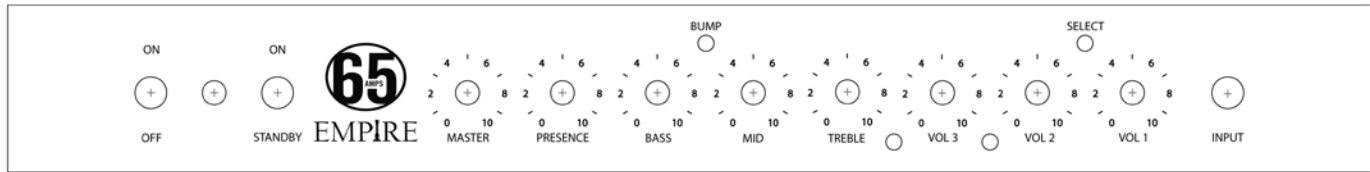
The Empire is the culmination, thus far, of all the desires and knowledge that 65amps has collected. Since the inception of 65amps, Peter and Dan have fantasized about an amp that is hyper-functional and delivers PROPER classic British tones; not just a good imitation. The Empire represents over four years of attention and ultra-detailed research into

the subtleties of several eras of EL34 based British amps ranging from the mid-sixties up through the '90s. Taking the best from each, 65amps has put together the Empire, which can deliver three distinct, useful and rich British tones that you will instantly recognize and have dreamt about.

*****READ BEFORE USING AMP FOR THE FIRST TIME*****

CAUTION - FOR U.S. OPERATION, SET AC VOLTAGE SELECTOR FOR 120 VOLTS ONLY!

65amps EMPIRE FRONT PANEL



Tubes:

The Empire tube compliment consists of 2 6V6s and a 12AX7 preamp. Peter, Dan and crew have successfully pulled off the hat-trick of making 6V6s sound exactly like vintage EL34s. Peter and Dan have been pursuing this effect since the late '80s when they used to mod small old American amps to sound like big British amps. With over 20 years of pursuit, they have found the exact formula! For decades guitar players about having all those classic British sounds at their fingertips at volumes that meet modern requirements.

Channels:

The Empire is as versatile as it is toneful. It's set up to offer you three of our favorite voice configurations that you can choose from using a foot pedal or the select switch. The first voice is derived from that cleaner early '60s Townsend-like tone; the second is from the classic, fat and dirty '68-'72 era; and the third is a higher-gain, hot-rodged '80s tone.

ON/Standby - Best to turn the POWER switch on first before the Standby and wait about 10 seconds before turning Standby on. This will prolong tube life. When turning the amp off, turn POWER switch off first. This allows the power to drain out of the amp circuit. You can turn off the Standby switch later before turning the amp back on.

Tone controls:

Bass, Mid and Treble tone controls for each channel are passive cut-style. We recommend starting at "10" and backing off. With brighter single-coil guitars, the mid's will focus really well with the TONE set back around "5 to 8". A presence control Boosts the upper frequencies above the normal treble control range for added high-end.

Master Voltage

Our master voltage emulates the tonal response of a big amp only at low volumes. The "Master Voltage"[™] knob reduces the B+ voltage and output in the amp in a unique way that keeps the internal tube relationships perfect while keeping the filament voltage up. After seeing all other power schemes' shortcomings, we've come at this from a different angle and we're very pleased with the results. You can dial this amp down to 3 watts output WITHOUT losing tone, feel, vocabulary, authority, etc.

Bump Control

The Bump[™] control is a much more effective alternative to traditional channel switching. The Bump[™] allows the user gain-up and re-slope the amp's tone stack allowing much more midrange to flow through the circuit; thereby gaining up the entire amp naturally and not inducing false preamp gain that creates fizz and buzz. The end result is the effect of having two amps in one.

Register Your Amp

and join our mailing list at:

<http://65amps.com/reg.html>

65amps EMPIRE REAR PANEL



CHANNEL FTSW - This allows you to change channels.

SPEAKER OUTPUTS - Two speaker outputs in parallel.

IMPEDANCE - All 65 212-Combos and Extension Cabinets are wired for 16-ohms (two 8-ohm speakers in series). If using two 16-ohm cabinets, set IMPEDANCE to 8-ohms. Always be sure to match the impedance of this amplifier with the impedance of the speaker cabinet you are using.

H.T. (High Tension) FUSE - (500mA Slo-Blo) This fuse is in line with the DC voltage in the amp. When the H.T. FUSE blows, it is typically a sign of a bad power tube.

A.C. FUSE - (2A/250V Slo Blo) This fuse is connected to the AC primary side of the Power Transformer. **CAUTION** - Never use a fuse with a higher amperage rating.

Specifications:

Output: 22 Watts

Tubes: Power – 2 6V6s, Preamp - 12AX7

Panel controls: On, Off, Standby, Master, Presence, Bass, Mid, Treble, Bump,

Select, Volume 1, 2, 3

Extrs: Footswitch input jack, dual speaker outs, switch for 8Ω & 16Ω impedance

Cabinet: Finger-jointed Baltic birch

Dimensions: Head: 25" L x 9" D x 11" H / 26.4 lbs.

Weight in box: Head: 35 lbs.

Accessories: Footswitch included

Pair with cabinet:

Speakers: 4x12' 2 x Celestion G12H30 plus 2 x Celestion AlNiCo Blues or Golds;

or 2x12' Celestion G12H30 + AlNiCo blue (our recommended configuration) or

Celestion G12H30 + AlNiCo gold

IMPORTANT: We recommend a qualified technician for retubing. All tubes use the same size socket, but have very different wiring configurations and voltages. Placing the wrong tube in the wrong socket can cause damage to the amplifier and tube.

PLEASE READ THE FOLLOWING WARNINGS AND USER ADVICE!

- Always make sure the AC Voltage Selector is set for the proper voltage (120 volts in the U.S.) before turning on the amplifier!
- Always make sure the amplifier is grounded! (3-prong connector - no ground lifts).
- Use only a high quality grounded 3-prong AC power cable with this unit. Always look for breaks or exposed wire and replace if defective.
- Never remove the chassis from the cabinet! The amplifier will store high voltages long after the amp has been turned off and disconnected from the AC. Changing tubes does not require any internal adjustments. Refer all service to a qualified technician.
- Do not expose to excessive humidity, direct sunlight or extreme high or low temperatures. Be certain there is adequate ventilation around the amplifier. Never expose to liquids or excessive dust.

More info at www.65amps.com